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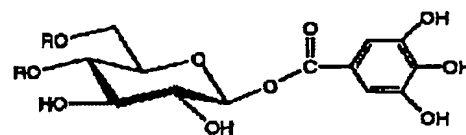
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JP2000344672A ☒ **20001212** [FullText](#)**Title:** (ENG) MATRIX METALLOPROTEASE INHIBITOR**Abstract:** (ENG)

PROBLEM TO BE SOLVED: To obtain the subject inhibitor having excellent activities for inhibiting matrix metalloprotease(MMPs), and useful for therapy and prophylaxis of intractable disease caused by incapacity of control of the MMPs activities.

SOLUTION: This inhibitor contains a tannin compound, preferably a compound of the formula (R is galloyl group or two neighboring Rs form hexahydroxydiphenoyl group with each other) as an active ingredient. The tannin compound can be extracted from a tannin-containing plant with water or an aqueous ethanol having a large content of the water, or can be obtained by chemical synthesis. The daily dose of the inhibitor is preferably 0.1- 500 mg/kg body weight, and the daily dose is preferably administered once or by dividing the dose to two to four times. As a result, the inhibitor can be expected as a therapeutic or prophylactic agent of an intractable disease such as arteriosclerosis, arthritis and periodontosis.

**Application Number:** JP 15065099 A**Application (Filing) Date:** 19990528**Priority Data:** JP 15065099 19990528 A X;**Inventor(s):** AKISAWA TOSHIFUMI ; YAHARA MASA HARU ; HASHIMOTO FUMIO ; YAMADA MASASHI ; SUMA YUKIE ; OSHIBA YUKIO**Assignee/Applicant/Grantee:** MEIJI MILK PROD CO LTD ; AKISAWA TOSHIFUMI

IPC (International Class): A61K0317024; A61P00102; A61P00104; A61P00310; A61P00908; A61P00910; A61P01902; A61P01908; A61P02900; A61P03118; A61P03504; C07H01308; C12N00999; C12N01509; C12Q00137

Other Abstracts for Family Members: CHEMABS134(03)025385C; DERABS C2001-303234

Other Abstracts for This Document: CHEMABS134(03)025385C; DERABS C2001-303234

Patents Citing This One (1):

→ WO2004050078A1 20040617 TAKARA BIO INC JP; ONOGI HIROMU JP; SUGIYAMA KATSUMI JP; SAGAWA HIROAKI JP; KATO IKUNOSHIN JP
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